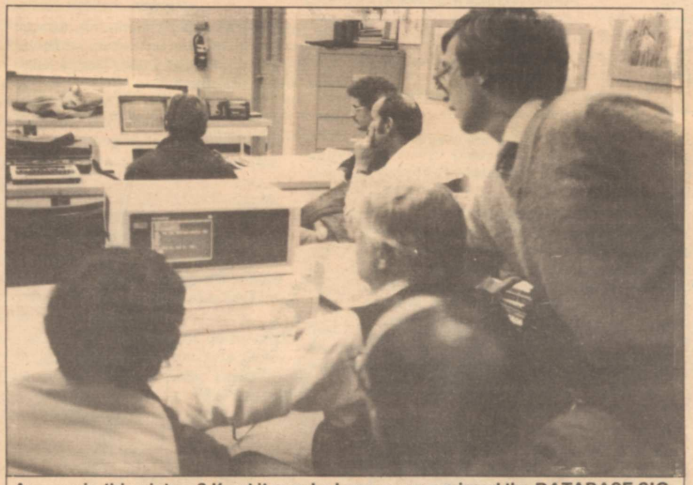
The JUG News

FEBRUARY 1985

Jefferson state computer Users Group

GENERAL MEETING

The February General JUG meeting subject will be "Programing - Art or Science?"- An overview of computer programers and programing. Guest speaker will be systems analyst/programer Russell King. Also, Bob Hart's "Basic Computing" this month will deal with the theory and practice of light pens. The General Meeting will be held at Sunshine Computer at 2pm on February 10th. Bring a chair if you can. Sunshine is located on Summit Ave. near corner of McAndrews and Sage Rd - See map in Meeting Notices.



Are you in this picture? If not it may be because you missed the DATABASE SIG meeting the night Eric Mathews gave us a hands-on tutorial on Symphony. The SIG meetings are your chance to see and use some of the programs you may want to own yourself. Be sure to be there!

LETTER TO JUG NEWS

From: KEN COTE

ATTENTION ALL! By now you have probably noticed the substantial improvements made over the past year in the production quality of the JUG NEWS. We all enjoy reading it and look forward to receiving it each month, but I wonder if anyone has ever considered just what it takes to put together a club newsletter of this size and quality. More importantly, just who is responsible for its production.

Most publications have large editorial staffs including editors, assistant editors, writers,salesmen and various other production people. The JUG NEWS owes its existance primarily to two people—John and Nikki Newman. These two dedicate club enthusiasts spend the majority of their free time and, to some extent, personnal exspenses producing this publication and seing to it that it gets out to all club members, interested individuals, groups and other publication staffs across the nation each month. It is a considerable task and yet they have managed to complete it on time each month in addtion to all of their other activities as club president, secretary and FORUM sysop.

Understandably this is beginning to wear an their nerves and they are considering stopping the presses unless they can get some help. I agree with them. After all, this is our newsletter. That means everyone who is a club member and everyone else who reads it and expects to see it each month. It is for our club use as a group and we can not expect thse two people to continue expending all of their energy for our benefit. If we want a newsletter we have all got to help in its production.

For this reason the members of the board of directors of JUG hve decided to appeal to you all for HELP!—an ultimatum actually. We need several volunteers to work on the production of this newsletter on a regular and continuing basis. A few hours each month from several people would help tremendously. We need several poeple to make contacts with existing advertizing customers and to establish mew advertising accounts. Several people are also needed to do layout, typesetting, and mailing/distribution of the newsletter itself. And we need WRITERS. Some are needed to contribute to monthly colunms and everyone else is needed to contribute articles -long and short- of interest to the group. Anyone with experiance in any of these areas is badly needed but anyone contribute and nobody's help will be refused. John and Nikki can help train you. So if you value your newsletter, volunteer! If we do not get the help needed the newsletter will cease to exist- at least in its present form and it will be our loss. Contact any of the board members and lend a hand. Ken Cote Vice President Jefferson state computer Users Group

FANTASTIC PLASTICS

Plastic stands for computers are available from an Ashland firm called Fantastic Plastics for approximately ½ the price listed in the trade magazines. Harlan Trent of the Kaypro SIG discovered this business and has arranged for them to produce the stands at a considerably reduced price to the members of JUG. For more information, call Harlan Trent at 488-0498. Harlan will assist anyone who needs help in assembling or ordering the stands. He says that Fantastic Plastics can make almost anything of plastic. He calls them "Truly fantastic".

DAWN OF A NEW ERA

Part 2

by David Clearwaters

We seem to be behind in electronics here in Southern Oregon. Down south in Silicon Valley, that's where the real action was and is.

When I arrived back in the valley in 1969, I had brought the latest scrap from the back bins of HP. We weren't used to having to improvise deals , trades, and major equipment exchanges.

Well, I met Skip Marsden when he walked out of the transmitter building on top of King Mountain when I worked for the central engineering department of the KOBI enterprises. As we worked on installing the micro wave system, Skip found out I had state of the art assemblies, boards, parts, and the ever so important documentation!!! A good friendship was born.

5:34AM. Someone pounding on the door. In the early morning light, I peer at Mike Lindberg standing at the front door. News traveled fast when it came to state of the art. Before I had fully awoke, Mike had traded me out of some prize boards; I didn't realize what I had! I think I received a coupla diodes and a transformer with one winding burned out.

Skip used a different technique to get what he wanted. He arrived late in the evening with beer. He left with a superb regulated 35 amp 12 volt IBM power supply. I'll never forgive him for stripping our shop of a most valuable too. The worm will turn and we'll end up with his car, you just wait and see!!!

Later, Rod and I went to Skip's house to see his TRS80 computer. I think it was a Model 1, Level 2. Anyway, John Newman was there, and we all just stared as Skip shuffled his disks in and out of his disk drive. I challenged his chess game...and won. Rod still says that there was a bug in that chess program. Hey, sometimes even real chess players don't take their move!!! Then we traded insults with his silicon wonder. When we typed in psychological qwestions, its screen would insult us with Freudian overtones. Amazing!!

Computers were too important to deal away. Most dealing was done for support electronic equipment, and once a trade was struck, it was deemed fair and binding. Oh, but the haggling, harranging, needling, belittling of goods, ridiculing pricing and humor, always deep good natured humor.

Like the time Skip had stored his surplus collectables in the attic of a church.

Continued on Page 6

Calendar of JUG Meetings

February 1	TRS—80 COCO SIG 1011 LaLoma Medford	7:00 pm
February 2	JUG BOARD Meeting Sunshine Computer 930 Summit Medford	3:30 pm
February 5	Apple RACE SIG Met One 481 California Ave. Merlin Or.	7:00 pm
February 5	Atari SIG (GP) Disk-N-Data 420 S.W. 6th St. Grants Pass, Or.	7:00 pm
February 6	Data Base SIG Computerland 707 Medford Shoping Center Medford	7:30 pm
February 7	Rogue PC SIG Computerland Medford	7:00 pm
February 7	Com/Vic SIG (GP) RCC Wiseman Ctr. Computer Lab 3345 Redwood Hwy	7:30 pm
February 10	JUG GENERAL MEETING Sunshine Computer 930 Summit Medford	2:00 pm
February 11	CP/M SIG Lithia Showroom 5th & Apple St. Medford	7:00 pm
February 12	TRS-80 1-3-4 SIG 1377 Morrow Road Medford	7:30 pm
February 14	Com/Vic SIG (M) Sunshine Computer 930 Summit Medford	7:30 pm
February 14	TRS-80 COCO (GP) Disk & Data 420 sw 6th	7:00 pm
February 15	NEWSLETTER DEADLINE for February JUG NEWS	
February 19	Atari SIG (GP) Disk-N-Data 420 S.W. 6th St. Grants Pass, Or.	7:00 pm
February 20	Osborne RVOG SIG 600 Whitman Pl. Medford	7:30 pm
February 21	UNIX SIG at SOSC, Computer Ctr.	7:00 pm
February 21	Apple RACE SIG Met One 481 California Ave. Merlin Or.	7:00 pm
February 21	Com/Vic SIG (GP) RCC Wiseman Ctr. Computer Lab 3345 Redwood Hwy	7:30 pm
February 25	Kaypro SIG Lithia Showroom 5th & Apple St. Medford	7:00 pm
March 1	TRS—80 COCO SIG 1011 LaLoma Medford	7:00 pm
March 2	JUG BOARD Meeting Sunshine Computer 930 Summit Medford	3:30 pm
March 5	Apple RACE SIG Met One 481 California Ave. Merlin Or.	7:00 pm
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March 7	Com/Vic SIG (GP) RCC Wiseman Ctr. Computer Lab 3345 Redwood Hwy	7:30 pm

See you at the meeting(s)...

John Newman, JUG President

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ADDRESS CORRECTION REQUESTED

'Having trouble with your computer, peripheral or software???'
Call Operation Aid through one of the leaders of JUG listed below.

OFFICERS, BOARD MEMBERS, & SIG leaders.

POSITION:	NAME:	PHONE:
President	John Newman	535-1411 (Eves/Wkends)
Vice President	Ken Cote	535-3950 (Eves/Wkends)
Secretary	Nikki Newman	535-1411 (Eves/Wkends)
Treasurer	Paul Myers	855-7710
Board Member	Leila Horne	479-0540 (Eves/Wkends)
Board Member	Mike Sweeney	772-9478 (Eves/Wkends)
Past President Position	Bob Hart	773-8640 (Eves/Wkends)
FORUM—80	John Newman, SYS OP	535-6883 (Data Line)
Atari SIG	Ernie Hong	479-9411
Com/Vic SIG(GP)	Mike Miller	479-3701 (Eves/Wkends)
CP/M SIG	Bob Hart	773-8640 (Eves/Wkends)
DATABASE MANAGEMENT SIG	Henry Koerner	482-9818
Kaypro SIG	Harlan Trent	488-0489
RACE SIG (Apple)	Harold Miller	479-5605
ROGUE PC SIG (IBM Compatable)	Paul Mace	482-4619 (Eves/Wkends)
RVOG SIG (Osborne)	Ray Gillette	482-8646
SOCSIG (Com/Vic)	Ken Cote	535-3950 (Eves/Wkends)
TI SIG	"Mech" Mecham	899-1172
TRS-80 CoCo SIG (GP)	Liz Root	479-8298
TRS-80 CoCo SIG (M)	Andy Dater	779-4618 (Eves/Wkends)
TRS-80 1-3-4 SIG	George Lewis	482-3194
UNIX SIG	Ed Williams	482-6448

JUG NEWS

Editor .....Nikki Newman
Managing Editor .....John Newman
Graphics .....David Stuart
Typesetting .....Spring's Printery

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MEMBERSHIP: $5 per year, payable to Jefferson State Computer Users Group. c/o P.O.Box 320, Gold Hill, Oregon 97525.

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JUG LIBRARY

The JUG Board of Directors has appointed a Librarian and is now accepting donations in order to compile a library. The library will consists of books, magazines, newsletters, and video tapes, etc. on computing. We also need materials with which to build shelves. If you have any books, magazines, newsletters or video tapes, etc. contact George Lewis at 482-3194 before 10 a.m. on Mondays, Fridays, or Saturdays, or leave a message on the FORUM-80 at 535-6883.

It is the policy of JUG to not do any trading of software at the club meetings, in particular copywrited material. Public domain stuff can be accepted.

SIG LEADERS

SIG LEADERS are responsible for reporting on their groups activities, so if you would like to see more information about your group in the JUG NEWS, contact your SIG leader. SIG LEADERS are also responsible for reporting back to their SIG about the business handled at the Board Meetings. If you have not been hearing about what is happening at the Board Meetings, perhaps your leader has not been attending. Each group is responsible for having a representative at the Board Meeting.

COMPUTER FAIRE 1985
March 29 thru April 2,
Saturday thru Tuesday
at Moscone Center

JUG has again set up a package for the FAIRE. Package includes 2 days Hotel Accommodations at Merlin Hotel (formerly the Pickwick Hotel) which is only 2 blocks away from the convention center, Dinner Saturday night and ticket to the FAIRE all for only $95 per person for double room accommodations. Single room will be $135 each, additioal days per person per day $27 (double room) $46 (Single room).

We will try to set up singles with roomates (if you want) so you can get the double rate but be prepared to pay the single price. Please fill in the information sheet following and enclose $50 deposit per person by March 10, 1985

Questions? Call Paul Myers at 855-7710

Name _____ Address _____
City _____ Phone _____

Night you wish to stay at Hotel _____
Double _____
Single - Roomate (name,____ _____
*Smoking*_____yes____ or no____)
Mail to:
JUG
P.O. Box 457
Gold Hill, OR 97525-0457

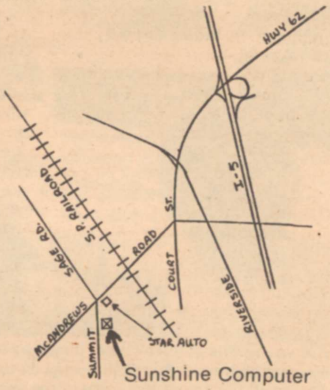
MEETING NOTES

UNIX MEETING

We meet every 3d week, Thursday ... For information contact Ed Williams at SOSC computer center (482-6448) or Doug Kellog at micro solutions (482-0000). The meetings begin at 1930 hours.

SOCSIG

The Southern Oregon Commodore Special Interest Group will meet on the second Thursday of the month at Sunshine Cycle & Computer Center 930 Summit in Medford @ 7:30 pm. (BRING YOUR OWN CHAIR). SOCSIG has a Public Domain Software Library, see Ken Cote for details.



DATABASE MANAGEMENT SIG

The DATABASE MANAGEMENT Special Interest Group will meet on the first Wednesday of the month @ 7:30 at Computerland at 707 Medford Shopping Center. They will be discussing databases and will not be specific to any computer or software package.

ATARI (GP)

The Atari Special Interest Group will Meet at Disk-N-Data Computers 420 S.W. 6th St. Grants Pass, on the first and third Tuesday of the month at 7:00 pm. The Atari SIG has a Public Domain Library. Contact Mike at Disk-N-Data for Details.

CPM SIG

The CP/M Special Interest Group will meet on the second Monday of the month at the Lithia Showroom, 5th & Apple Streets in Medford @ 7:00 pm. The CP/M SIG has a Public Domain Software Library of 136 8 inch disks, contact Bob Hart for details.

TRS-80 1-3-4 SIG

The TRS-80 Models 1-3-4 Special Interest Group will meet at 1377 Morrow Road Medford (T'Morrow for the Elderly, Morrow Road runs by Churches Chicken) on the second Tuesday of the month @ 7:30 pm. **PLEASE PARK ON THE STREET.** Walk down the parking lot past the first building to the third building. The TRS-80 1-3-4 SIG has a Public Domain Software Library, contact Robert Mather for details.

RACE (GP)

Rogue Apple Computer Enthusists will meet at Met One in Merlin, the first Tuesday & the third Thursday @ 7:00 pm. RACE does have a Public Domain Software Library. Contact Harold Miller for more details.

ROGUE PC SIG

The Rogue PC Special Interest Group (IBM PC and IBM compatible computers) will meet at Computerland 707 Medford Shopping Center @ 7:00 pm on the first Thursday of the month The Rogue PC Special Intrest Group does have a Public Domain Library.

COM/VIC (GP)

The Grants Pass Commodore/Vic Special Interest Group will meet at Rogue Community Colledge room I1 on the first & third Thursday @ 7:30 pm. The COM/VIC SIG has a Public Domain Software Lirary, see Mike Miller for details.

KAYPRO SIG

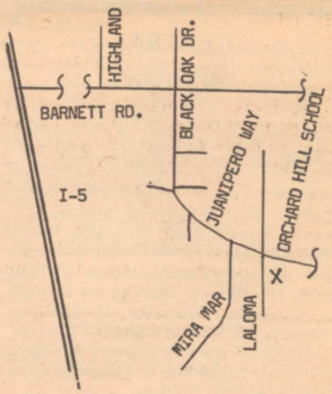
The Kaypro Special Interest Group will meet on the fourth Monday of the month at the Lithia Showroom, 5th & Apple Streets in Medford @ 7:00 pm. The Kaypro SIG does not have a Public Domain Software Library.

RVOG

The Rogue Valley Osborne Group will meet on the third Wednesday of the month at 600 Whitman Place in Medford @ 7:30 pm.For directions call Ray Gillette at 482-8646. RVOG has a Public Domain Software Library.

TRS-80 COCO SIG (M)

The MEDFORD TRS-80 Color Computer Special Interest Group will meet on the first Friday of the month @ 7:00 pm. Will meet at Orchard Hill Elementary School, 1011 LaLoma Medford, Oregon from the south Medford I-5 Exit take Barnett road east to Black Oak, turn right on Black Oak and go till you come to LaLoma, take a right on LaLoma and you should see the school. The TRS-80 COCO SIG does have a Public Domain Software Library.



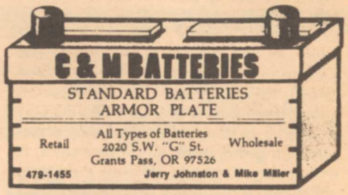
TRS-80 COCO (GP)

The GRANTS PASS TRS-80 Color Computer Special Interest Group will meet on the second thursday at Disk N-Data 420 S.W 6th St @ 7:00 p.

MEMBERSHIP

If your address label does **not have 85 after your name, your 1985 dues are due.** They are still only $5 per family. You will find a self addressed envelope in this issue for your convenience for remmittance of your 1985 dues. Also please fill in the information requested on the envelope. Thank You.

J. Paul Myers - Treasurer



CARPOOLING FROM GRANTS PASS

From Greg Collver via the FORUM-80

I wanted to say that I would like to find anyone interested in carpooling from Grants Pass to either the UNIX meetings in Ashland or the TRS 80 1-3-4 meetings in Medford.

My phone number is 476-9353.

FORUM-80

*The Medford FORUM-80, Computer Bulletin Board System (503) 535-6883, is available 24 hours a day. To become a Registered User of the FORUM-80, which will allow you to receive personal messages and download privileges, leave a comment to the System Operator with the following information: your name, phone number, and address.

If your calling area is long distance to the FORUM-80 you may request information on the Medford Forum-80 Wats line. This is a subscription service, but is quite INexpensive.

The Medford FORUM-80 is sponsored by Jefferson State Computer Users Group. All donations to assist in its expenses will be accepted.*

JUG ADVERTISING RATES

FULL PAGE	$200.00
HALF PAGE	$100.00
QUARTER PAGE	$ 50.00
EIGHTH PAGE	$ 25.00

The following sizes are available:

FULL	9⅞" x 13½"
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	2¼" x 6⅝"

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We have a 3 month SPECIAL on the above, a 10% Discount of the total when paid with the first ad. Copy may be changed with each month however.

We also have a Business Card Ad that would run for 4 months (no changes) for $25.00

Please make Checks Payable to JUG at this time. Deadline is the 15th of the previous month.

CP/Miscellaneous

by Bob Hart

BACK IN THE PUBLIC DOMAIN

I spent some time last week going through the directory of SIG/M public domain software (volumes 1 to 136) and found a few interesting items. All of these programs are available from the CP/M SIG library for a small one time fee.

General Utilities - programs to make operating your computer more efficient.

MENU.COM - displays all COM and BAS programs in a menu. Press the appropriate number to execute.

UNSPOOL.COM - lets your printer operate while your computer is doing something else.

FAST.COM - this utility can dramatically speed up access to disk files by reading an entire track into memory at one time.

BIGBURST.COM - for users of hard disks. Allows you to back up files to floppies where the file on the hard disk is too big to fit on just one floppy disk.

LOCK.COM - makes your files secure. You must have the key to read them.

Word Processing. Text editors are not too common in the public domain - you'll have to stick with the commercial offerings. On the other hand, there are a few accessories that appear promising.

ROFF4.COM - a text *formatter* that will make your printer perform typographical tricks that cannot be imitated by the best word processing programs. Besides controlling the margins and indents, ROFF4 can add "boilerplate text", can print special characters using graphics, and can print form letters. Check this one out.

INDEXER.COM - creates an index from any text fed to it.

COMPASC.COM - If you have two text files, and can't remember which is the latest revision, this program will compare the two and print the difference.

Data Management. There seems to be a severe shortage of good programs in this area. The best the library has to offer are a couple of well thought out dBase II applications. One is a mailing list and the other is an inventory and order entry system. Considering the flexibility of dBase, these programs could be easily combined and modified for use in any small business.

XLIST.BAS - an application written in EBasic (included) that maintains and prints a mailing list. If you use this program rather than the dBase application above, you can save yourself the price of dBase II. Of course, it's not as flexible.

Programming Languages. For the true fan, there are many unfamiliar and a few familiar programming languages available. Among the familiar are:

USCD PASCAL - lots of programs available for this one.

JRT PASCAL - originally sold for $29.95.

EBASIC - much like CBASIC. Many applications available.

Two versions of LISP - an "artificial intelligence" language.

Small C - a public domain version of the language used to write Unix.

and FIG-FORTH - flexible, powerful, and undecipherable.

If that's not enough, you can also go crazy with any of the following:

PIDGIN, TINCMP, SAM76, PISTOL (something like FORTH), MUMPS (it originated in a hospital), 6502 Simulator (run Apple software on your Kaypro?), and a MC68000 cross assembler.

Communications. Many versions of the generic MODEM7 and SMODEM programs are available. The major problem with these is that they have to be modified to run on your computer. The good news is that for many of the more common computers, (and some that are not so common) that job has already been done. If you have a Kaypro, an Access, an Osborne, a Big Board (Xerox 820), or a Morrow Micro Decision the work of conversion has already been done for you.

And finally.....

Games. The only game worthy of mention in this collection is the original Adventure. If you have *never* wasted time wandering in the Colossal Cave, getting lost in the "twisty passages", or forgetting the magic word when it's needed most, then you are probably a sane and stable individual. If you would like to change that, let me know.

This is only a small sample of the best of the public domain. If any of you out there have your own favorites, let me know so I can spread the word. The CP/M SIG is now making arrangements to purchase the next 75 volumes of the SIG/M library and any help or suggestions would be appreciated. More dBase applications, a printer graphics application, and more software customized to individual machines should be included with this next batch. Until next time...

TELL OUR ADVERTISERS YOU SAW THEIR AD IN THE JUG NEWS

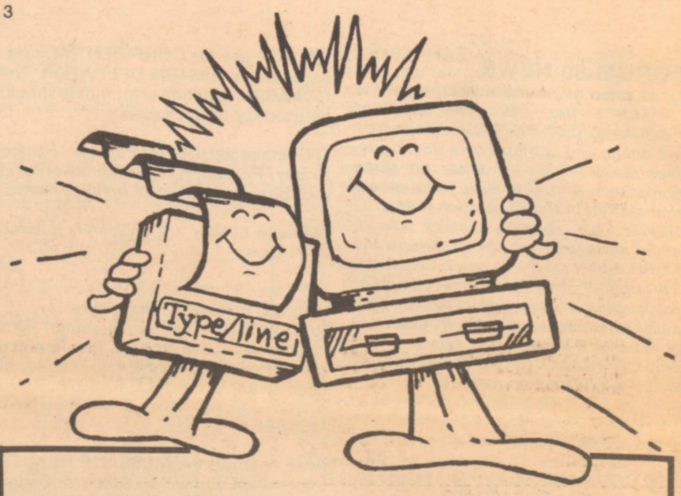
Rogue PC Group News

It's official: The Rogue PC Group is THE special interest group for users of IBM PC and MS-DOS based computers. For those of you who may have attended 16BIG (and never came back) more has changed than the name.

The past three meetings have covered DOS, the 'C' programming language and Data Communications. Coming up are talks on Accounting and Point-of-Sales with the PC and, next month, a demonstration of Public Domain Software from the Group library. Also, there will be a demonstration of a new product from Digital Pathways Corp called the Communicard, which allows your PC to manage the telephone, digitize and playback voice messages and perform a number of other 'real world' tasks.

Meetings are from 7-9 p.m. on the first Thursday of each month. We alternate, presently between the hospitality of Valcom (odd months) and Computerland (even months)in Medford.

The next meeting is at Computerland in the Sears Plaza, Thursday, February 7, from 7-9 pm.



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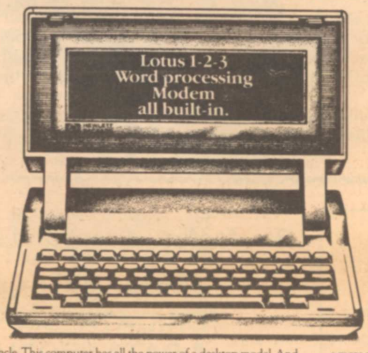

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FORUM-80 NEWS

or as some of you have figured out the ""HELP"" files from the Medford FORUM-80 (503-535-6883). These files are online and available by a simple carrage/return (C/R), or enter on some computers. This part three of an article that started in the December 1984 JUG NEWS. This month will show how to enter messages and the configure the FORUM-80 system to your computer. Throughout this article the computer responses will be in normal type *and the caller's responses will be in* **bold.** *My comments will be in italic type.*

6:55 COMMAND: *(return key was struck and the following appeared)*

(S, R, E, K, F, U, C, L, T)
(Hit C/R for full list)

7:00 COMMAND: *(return struck again)*

R Retrieve messages
E Enter messages
K Kill messages
F Flagged retrieval
U Userlog scan/search
C Configuration changes
L Local features sections
T Terminate connection

(Hit C/R for complete HELP file) *We did this one in December.*

07:13 COMMAND: **E** *(For enter message)*

(E) Enter messages

07:19 (E) SUBCMD: *(return struck again)*

(M, P, C, A)
(Hit C/R for full list)

07:21 (E) SUBCMD: *(return struck again)*

M Miscellaneous subjects
P Personal (password prot)
C Commercial (For sale, etc)
A Abort to COMMAND mode

(Hit C/R for complete HELP file)

07:27 (E) SUBCMD: *(return struck here of course for the help file)*

(Hit 'S' to stop, 'P' to pause)

MESSAGE CATEGORYS:

M Miscellaneous. Use for all general interest messages or messages directed to a single individual which are not PERSONAL or COMMERCIAL in nature.

P Personal. Use only for CONFIDENTIAL messages to registered users "R". DO NOT use for CONFIDENTIAL messages to the SYSTEM OPERATOR. The COMMENT function at terminate should be used for this purpose.

C Commercial. Use for For sale, Wanted to buy, Product reviews, all advertising including advertising of online systems.

Message header information is entered as follows:

TO: (Max 31 characters)
SUBJECT: (Max 31 characters)
PASSWORD: (Max 8 characters) This password is used to KILL the message only. The REGISTERED USER does not need to know the KILL PASSWORD in order to retrieve a PERSONAL MESSAGE.

After entering the MESSAGE HEADER information you will be asked for 2 message attribute parameters.

AUTO KILL ON RETRIEVE:

If your message is addressed to a single individual and the content is of interest only to him, then BY ALL MEANS answer YES or Y to the AUTO KILL ON RETRIEVE. The message will AUTO KILL after it has been viewed by the addressee.

AUTO KILL ON SPECIFIC DATE:

If the content of your message is time related then answer YES. Examples of the use of this function would be....

NOTICES OF MEETINGS - If you place a message announcing a meeting or event that takes place on the 15th of the month, then set the AUTO KILL DATE to 16. The message will AUTO KILL shortly after midnight on the 15th and will not take up message file space after it has become obsolete.

COMMERCIAL MESSAGES - If you place a message advertising something for sale, set the AUTO KILL DATE for a resonable period (2 or 3 weeks). You will be helping to keep the message files clean and will be relieved of the responsibility of remembering to call back and kill the message. This is particularly useful if you place several messages on different systems.

Message text should be entered in "free form" to insure that it will appear properly on all types of machines. That is, enter the text much the same as you would enter it into a TEXT EDITOR or WORD PROCESSING program. Use continuous text with no carriage returns except at the end of paragraphs. To space between paragraphs, enter CARRIAGE RETURN, SPACE, CARRIAGE RETURN. Two CARRIAGE RETURNS in sequence will cause an exit from the text entry mode.

Be cautious about using the LINE DELETE (Control X) as in "free form" it will delete all characters back to the last carriage return. This could be a complete paragraph or a complete message.

Help is available in the message edit subcommand mode for editing the "free form" message text.

*Ok so lets enter a message and see how it look's*08:13 (E) SUBCMD: **M**

Message to: **ALL**

Subject: **THIS SYSTEM**

Password: **PASSWORD**

Auto kill after retrieval (Y/N) ? **N**

Auto kill on specific DATE (Y/N) ? **Y**

Enter DATE: **15**

Msg: 5064 "M" ( ) "000"
Date: 01/18 21:36
From: JOHN NEWMAN
To: ALL
Subj: THIS SYSTEM

Psw: PASSWORD
Kill: DATE 15

Is this correct (Y/N) ? **Y**

You will receive no responses or prompts from the system other than the echo of your input. Input your text continuously, allowing it to "wrap around" on your display. Enter a CARRIAGE RETURN, SPACE, CARRIAGE RETURN between paragraphs. Two consecutive CARRIAGE RETURNS will exit the text input mode.

MAX text 1024 characters Enter message text below

At this point the message text would be entered Up to 1024 carracters maximum.
(return struck twice)
Characters entered: 80
Characters remaining: 944
(I should also point out that if you are slow in entering your message the system may think you are done and dump you to the next command. If so just hit C for continue)

11:31 (T) SUBCMD: (return struck here gets the following)

(L, C, E, S, A)
(Hit C/R for full list)

11:46 (T) SUBCMD: *(return again)*

L List message text
C Continue text entry
E Edit message text
S Save message to disk
A Abort to (E) SUBCMD

11:52 (T) SUBCMD: **E**

Edit mode:*(return again)*

(D, C, A)
(Hit C/R for full list)

Edit mode:*(return)*

D Delete text
C Change text (Del + insert)
A Abort to msg entry SUBCMD

(Hit C/R for complete HELP file)

Edit mode: *(return struck again)*

(Hit 'S' to stop, 'P' to pause)

EDIT TEXT:

D Delete string. Enter the sequence of characters that you wish deleted from your message. The delete function will delete the FIRST OCCURRENCE ONLY of the string if a match is found. If there is more than one occurrence of the string that you wish deleted, the 'D' function must be executed for each occurrence.

C Change string. There are two inputs to the change function:
DELETE: (This is the text as it now appears)

INSERT: (This is the text as you wish it to appear)

For example, suppose you entered a message with the following sentence:

....I received the message form you.....

In this example, the word "from" was spelled "form" in error. The edit entries to correct this would be:

DELETE: form
INSERT: from

If you wish to make sure the correct text is found by the editor, you might enter:

DELETE: age form you
INSERT: age from you

Or, in MULT/CMD format.... (T) SUBCMD: E:C:age form you:age from you
(Or you could append a :L to list it back to you on your screen to see how it looks)

The CHANGE function is also used to do a "TRUE INSERTION". That is, to insert new text not currently appearing in the message. Suppose you have entered the following:

.....I'm sure you will find this product to be.....

To add some descriptive adjectives, edit as follows:

DELETE: this product
INSERT: this fantastic new product

Or in MULT/CMD format from (T) SUBCMD: E:C:this product:this fantastic new product
The insertion is accomplished by addressing the text on either side of the insertion point and using the CHANGE function.

Note: The editor makes no check on the size of your message. If your message is 20 characters from the end of the 1024 byte buffer and you do an INSERT of 25 characters, the previous last 5 characters will be lost.
(If you need more create another message)

Since the message text supports UPPER/lower case, be sure you are entering the correct form! To the EDITOR, "The" is not the same word as "the".

Edit mode: **A**

13:07 (T) SUBCMD: **A** *(if you hit A for abort your message will not be saved)*

YOUR MESSAGE HAS NOT BEEN SAVED TO DISK!
DO YOU WISH TO ABORT and NOT SAVE YOUR MESSAGE (Y/N) ? **N**

13:20 (T) SUBCMD: **S** *(to save your message on the system)*

Saving message *(at this point after the system has saved your message you will be returned to the command mode)*

13:26 COMMAND: **C** *(C and return struck)*
(C) Configuration changes

14:53 (C) SUBCMD: (return struck again)

(L, N, U, W, T, C, A) (Hit C/R for full list)

14:56 (C) SUBCMD: *(return struck again)*

L Linefeed switch setting
N Nulls parameter setting
U UPPER/lower case switch
W Width of terminal line
T Terminal config on file
C Control code changes
A Abort to COMMAND mode
(Hit C/R for complete HELP file)

15:02 (C) SUBCMD: *(return struck again)*

(Hit 'S' to stop, 'P' to pause)

CONFIGURATION CHANGES:

L Linefeed switch. This function will allow you to specify if your terminal requires a linefeed (0AH) after each carriage return (0DH).

N Nulls setting. The nulls function will allow you to provide a delay after each carriage return. If you have a hardcopy terminal and are missing characters at the beginning of some lines, you need a larger nulls setting. At 300 Baud the system prints 30 characters per second. One null equals a delay of one character period (30 nulls would provide a 1 second delay after each carriage return at 300 Baud). Do not use a larger null setting than absolutely necessary as it slows the system and increases your connect time.

U UPPER/LOWER CASE SWITCH. IF YOUR TERMINAL WILL NOT DISPLAY LOWER CASE AND CAN NOT CONVERT IT TO UPPER CASE, YOU MUST ANSWER NO.

W Width of terminal line. This function allows you to format the output of the system to your screen (or paper) size. Answer the width question with the exact column width of your terminal. Example... if you have a 40 character display, answer 40 not 39. The system will handle the wraparound and avoid divided words. Line widths from 22 to 132 characters are supported.

T Terminal configurations. Standard configuration tables are on file for many machines. Before undertaking to configure the system manually, check this function to see if your machine is listed. Since U, W, L and N are set when you log on, these are not affected by the terminal configuration.

C Control codes. You may configure separately each of the control codes handled by the terminal configuration function. If one of the standard tables works well with your terminal except for only 1 code, you can select the table then change that code using function C. The codes set by C are:

CODE:	No of bytes
BACKSPACE	1
SCREEN CLEAR	4
CURSOR ON	2 (also the input prompt)
CURSOR OFF	2

Careful attention to your configuration settings can make your system use more efficient and enjoyable. NOTE: All configuration codes must be in the range 1 thru 127 (01H thru 7FH). The backspace configuration is a 2 way translation. That is it translates your backspace code into one acceptable by the system then translates the systems echo back into your code. The one exception to this is the RUBOUT (7FH). If your machine uses this code, you may configure it into your backspace table but in actual use the system will not accept it as a backspace command. Instead, you would then transmit Control H (08H) to the system. It will perform the backspace and translate the echo from 08H to 7FH giving you the proper response on your screen.

15:57 (C) SUBCMD: *(return struck again)*

(L, N, U, W, T, C, A)

(Hit C/R for full list)

16:21 (C) SUBCMD: **T**

Code: Terminal type:

1 APPLE II MICROCOMPUTER
2 ATARI MICROCOMPUTER
3 I.S.C. 8001G COLOR TERMINAL
4 HEATHKIT H-19 TERMINAL
5 SOROC I.Q. 120 TERMINAL
6TRS-80 MODEL I (Terminal program)
7TRS-80 MODEL I or III with ST80III
8 TRS-80 MODEL II
9VIDEOTEX (Radio Shack Terminal program)

Enter terminal code:

17:52 (C) SUBCMD: **A** *(A to abort to command mode)*

18:06 COMMAND: **T** *(to terminate the call)*

Would you like to leave confidential comments to the SYSTEM OPERATOR (Y/N) ? **N** *(If you wanted to leave me a comment then you would answer Y)*
Thanks for calling FORUM-80, JOHN

Last message: No. 5064
Date: 01/18/85
Time: 18:34:59
Connect time: 00:18:40
Bye

More next month. Your System Operator John Newman 503-535-6883.

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Electronic Hands Reaching Out

by George L. Lewis

Of Origins & the Path to Be Followed.

Our tale begins in 1921 when a Czech playwright by the name of Karel Capek coined the word *robot*. This term is derived from the Czech robota (compulsory labor) and robotnik (workman). Capek's contribution to the vocabulary of the world has marked the beginning of a great love/hate relationship with the concept of a mechanical device performing our daily labor. Science fiction writers and film directors of this century have shed an ambivalent light on the subject. They have presented the robot as everything from the great destroyer of humanity to the last hope we may have in the final years of this century. But whatever the mystique may be we must now learn to live with the reality. The robots have arrived.

If Japan continues to lead the world in robotic prodution, one million robots will be in operation by the year 2000. Estimates for this country are not as great. The United States may have over 330,000 robots working in almost over half the factories by the year 1990. Workers displaced by robots will range from 1 million to 15 million, but jobs created by the use of robots in these factories will not exceed 2 million. The people of this country can no longer afford to consider the advent of the robot to be a technological scenario that may effect the lives of their children. If we are to successfully enter the 21st century as a leader in the global economy we should carefully consider the words of Soichiro Honda (whose cars are built by a joint human-robot workforce), ""Any businessman incapable of taking advantage of robotics cannot be called an able businessman. But one who fires employees because of robotics cannot be called able, either. Human labor and robotics should prosper and grow together.""

Mine is a hopeful vision of the future. It is a future where the computers, telecommunication and robotics free humanity from the drudgery of repetitive clerical and manual labor, link up a world and aid in networking the thoughts and dreams of the planet as a whole. No longer will the technology of the day be in the hands of the few, but instead will reflect the aspirations and hopes of the many. It is a golden age of growth in the arts, music, and literature. A time when the creative among us will be encouraged to create, not just work daily for their mere survival. Hopefully we will extend the greatest of effort to use the technological advancements of the next few years to these ends. We can create a world where people are evaluated by the content of their souls and minds, and offer the chance to contribute to the enrichment of their societies; or we can create an era of unemployment. The choice is ours, but one way or another we must contend with the robots which will play a greater role in our daily lives.

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MARCH GENERAL MEETING

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NEWS FROM AROUND THE SILICON CHIP

by Bob Walters

Interesting tidbits from the computer trade assembled from various sources and backyard fences for your reading enjoyment.

OptionWare Software Available in Radio Shack Computer Centers from Computer Retail News December 10, 1984

Developer OptionWare, Inc. Recently signed a distribution agreement with Tandy Corp., making OptionWare's software available to Radio Shack Computer Centers through Tandy's Express Order Software Program.

The OptionWare programs run on Tandy's TRS-80 model 2000 computers, and the Tandy 1200 HD and 1000 HD computers, according to the developer.

OptionWare, with its library of 56 application specific packages that run with Lotus Developement Corp.'s 1-2-3 program, recently began building up its distribution network by signing agreements with three large distributors last month.

The company said its recent agreement with Tandy's Radio Shack centers will increase its foothold in the retail network, thus increasing the availability of OptionWare software. They currently distribute their software to independent retailers through Softsel Computer Products Inc., Micro D Inc., First Software Corp. And Softeam Inc.

Through Tandy's Express Order Program, customers interested in purchasing OptionWare products can place orders in Radio Shack outlets and receive the products the next day. Under the program, orders are transmitted electronically to Tandy's warehouse in Fort Worth, Texas, and then shipped from that location.

Among the applications offered through OptionWare's products are financial statistics, asset management, cash management, and sales tools. This fall, OptionWare secured $2.2 million in venture capital funding from Aetna Life and Casualty of Hartford, Conn., and Technology Transitions Inc., also of Hartford. Additionally, the company recently said it has earmarked more than $1 million to be used to advertise its products.

dBASE or not dBASE

An introduction to dBASEII

by Henry Koerner

In the beginning there were Ada and Babbage and Boole. Babbage tried to build a calculating engine but the TECHNOLOGY was not with him and it did not fly even though Ada helped him. Meanwhile, Boole was busy developing a strange kind of algebra that would solve problems that didn't exist yet. Some years later, Hollerith invented a card with holes in it that could be used to count and tabulate and keep track of data. At about this time, Fleming discovered the valve and, a few years later, DeForrest invented the Audion vacuum tube and the age of electronics had begun.

As time went on, more and more data came to be handled and stored and manipulated by various machines that could produce useful information by punching, reading, sorting, tabulating and printing the data on punched cards. And thus was born what was to become the data processing industry and with it came IBM.

In those days, these machines were told what to do by means of electrical cords inserted into patch panels. Relays were used to control the flow of electrical signals since reliable electronic switching circuits had yet to be developed. However, as the need grew for more complex data manipulation and much faster computational speed and as electronic technology continued to develop, there came into being the first stored program digital computers. These first computers had limited data storage but this limitation was soon overcome by the development of a variety of magnetic memory and storage devices.

Early computer programs were written in machine codes specific to the computer for which they were intended. There soon evolved software, including complex operating systems and high-level programming languages, which allowed programmers to more conveniently communicate with and instruct their computers and permitted programs to be transferred between different computers. Computer systems were big, complex and expensive. They were understood only by programmers and systems engineers and very few individuals could afford to use them. IBM came to dominate this mainframe computer market.

Just as the first computers were being developed, Ma Bell invented the transistor and, a few years later, the integrated circuit was invented by TI. These two inventions made smaller, more powerful and faster computers possible. Eventually, in the Valley of Silicon, there came into being LSI, which many called Large Scale Insanity, and the microcomputer chip was born.

The microcomputer wasn't very useful by itself. There were needs for operating systems, to allow the microcomputer to communicate with external input/output and storage devices, simple programming languages, so that ordinary people could effectively use the microcomputer to solve their problems, and peripheral hardware including displays, printers, disc drives, etc.

A cottage microcomputer industry sprang up to satisfy these needs. Gary Kildall developed the CP/M operating system specifically for the 8080, Z80 microcomputers and simple versions of the BASIC language became available for virtually all microcomputer systems. Almost overnight CP/M and BASIC became recognized industry standards.

Although these tools were useful in solving many problems, there remained a number of data processing applications that could not be effectively handled. Among these was the problem of data base management. To solve this problem, Wayne Ratliff wrote a data base management programming language which he called VULCAN, but it did not fly. Then along came Ashton Tate who saw that it was good and they it was renamed dBASE, and it did fly.

And then came the IBM PC. Sic Vincit Omnia.

Continued next month

DAWN OF A NEW ERA

Part 2

Continued from Page 1

It seems hazy just exactly why they wanted Skip to remove his goods, but Rod and I came to the rescue. Even yet, Skip will need an item and claim that it's still his!!

The trading escalated to whole truck loads of gear swapping hands. Most of the equipment at RCE was acquired this way. It wasn't easy hanging on to the best pieces, but we did!

I should tell you about the incredible rabbit transaction...

BACKUP LOTUS SYMPHONY

A friend of mine has Lotus Symphony. He wants to move it fromthe floppy disk to the hard disk on his IBM PC XT. If any one knows of a patch that will transfer Symphony to Hard Disk, please leave me a message on the FORUM-80 (503-535-6883).Thanks Tom Simons

NEWS FROM AROUND THE SILICON CHIP

by Bob Walters

TANDY HIT WITH LAWSUIT FROM ALABAMA DEALER by George Abruzzese, Computer Retail News

Boonesville, Ala. - Spain's, a Radio Shack authorized sales center here, is countersuing giant computer maker Tandy Corp. for allegedly interfering in the dealer's attempts to secure computer supply contracts with Texas A&M University and the University of Alabama at Birmingham (UAB).

Spain's countersuit is a response to Tandy's efforts to revoke the dealer's Radio Shack Authorized Sales Center Agreement - a process that began on May 22, 1984.

The complaint filed by Tandy charges that Spain's *breached the contract with Tandy in that the respondents (Spain's) have failed and refused to reasonably serve their market area.* Bill Spain, who, along with his wife, Mary, co-owns Spain's, has claimed that *Tandy sued us (and is) asking the court to bless (uphold) their charge for failure to serve our market area, which they refused to define.*

In rebuttal to Tandy's charges, Spain's filed 11 counterclaims, five of which were upheld by a U.S.District Court in Alabama. Counterclaims upheld by the court included Spain's allegations that Tandy interfered in the dealer's efforts to secure a contract to supply Texas A&M with Radio Shack computers.

One of the dealer's counterclaims states that in May and June of 1982 - in response to complaints by Tandy dealers who said Spain's invaded their market areas - Tandy entered into a conspiracy with its directors, officers or agents to restrain interstate trade in violation of U.S. antitrust laws. The charge made by Spain's alleges that Tandy sought and caused Texas A&M to add new requirements on an invitation to bid for certain Radio Shack copmputer units, and that the dealer's rebid, which

Continued on Page 8

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UNPROTECT YOUR PRO KEY VER 3.0

(reprinted from the CSRA Computer Society Newsletter which reprinted it from NJPC NEWS, Oct 1984)

Here is how to unprotect the new version of ProKey (version 3.0, which is copy protected):

0. Have a blank, formatted disk ready.
1. PLACE WRITE-PROTECT TAB ON THE PROKEY DISTRIBUTION DISK!
2. Put the distribution disk in B: and DOS disk in A:
3. Make B: the default drive.
4. Type A:DEBUG PKLOAD.COM

Type in and enter the following DEBUG commands: (don't worry if you do something wrong - you can't hurt your original disk - at worst you'll have an unusable file on the new diskette which you can easily erase, and try again...)

```
-G 3FFC      (you type this)

(just ignore these numbers)
AX=0100 BX=3FE1 CX=0000 DX=03F4
SP=FFFE
BP=41CA SI=0920 DI=0110 DS=0B4F
ES=0B4F
SS=0B4F CS=0B4F IP=3FFC
NV UP EI PL NZ NA PO NC

-R CX      (you type this)
cx 0000    (ignore this)
:40CA      (you type this)
```

NOW place a formatted disk into drive B.

```
-W      (you type this)
Writing 40CA bytes
-Q      (you type this)
```

Congratulations! ProKey is now unprotected. You may now manually copy (COPY A:*.* B:) all the remaining files from the ProKey distribution disk onto your fresh disk in the B drive. The resulting modified PKLOAD.COM will start normally, and may even be ***copied onto a hard disk*** and run from there without the bother of putting the distribution disk into one of the floppy drives!!

CLASSIFIED ADS

FOR SALE

After selling my TRS-80 Model III I was left with a month old ORCHESTRA-90 music systhesizer. I had a great time with this Radio Shack product which retails for $80. It can play pre-programed music as well as music you may program yourself. This great addition to your Model III or IV requires no prior music experience—I certainly didn't.Any reasonable offer call now. 664-3709, Mike.

USED MICROCOMPTERS RANKED BY FRED BROWN ASSOCIATES

Fred Brown Associates, the developer of a resale price guide for microcomputer systems, has come out with a new ranking of the relative values it has established for commercially available used microcomputer systems.

In its latest listing of the best buys on the used computer market, the company found that the IBM AT commands the highest resale prices because of the scant supplies of used ATs currently on the market and the great demand that exists for the system overall.

Trailing the AT are Hewlett-Packard Co.'s Portable computer, which Fred Brown Associates said has attracted a very loyal user base; and Apple's 512K version of the Macintosh computer, which has been discounted heavily upon initial sale, resulting in the driving down of the resale prices commanded by the: system.

Also among the top five is the Compaq portable which is in demand because of its IBM compatibility, although discounted prices dealers are offering on the system has driven down its resale price in the same way that the Macintosh's has been reduced.

The final system cited by the company in its top five rankings is the Data General One portable that was recently released, and which has met with excellent initial reviews and remains in tight supply.

Fred Brown Associates said the preponderance of portable compouters on its list of recommended purchases stems from the fact that most portables are bundled with some software and carry a lower initial purchase price. These options tend to diminish the resale prices of such units, making them affordable by greater numbers of potential buyers.

In compiling its survey, the company said it discovered that the average discount in the microcomputer retail marketplace for initial sales of systems ranges from 13 percent to 16 percent. That finding indicates that average gross margins for dealers run between 20 and 23 percent - a range the company said is significantly lower than that published by other market research companies.

Among its other findings, Fred Brown Associates said the least discounted computers it came across in the new computer marketplace were those supplied by IBM, NCR, WANG, DG, and HP.

The company said such characteristics likely result from an emphasis by those companies on direct sales efforts as well as their tightly controlled channels of distribution. Fred Brown Associates issues new resale price guides quarterly. Its primary audience consists of financial institutions, with the values assigned in the book for used computers being promoted by Fred Brown Associates for use as guidelines for such items as bank loans and insurance valuations.

By so doing, the company's guide, called The Brown Book, serves much the same purpose that the Blue Book quides serve in the used car marketplace. In addition to financial institutions, the company also is looking to tap into the emerging used computer retail marketplace. The company said its latest release includes prices for more than 600 products from 200 vendors. Covered among the categories the company has established are central systems, printers and monitors.

COMMODORE 1526 PROBLEMS

Can anyone out there help me? I am using a Commodore 1526 printer with my C-64 and the SmartTerm 64 Terminal program. The problem I am having is setting the proper open sequence to the printer. Right now I am opening a command channel and setting the printer to upper and lower case then closing the channel before loading the SmartTerm 64 +2. Then I use the ECX opening sequence. This works OK except the 1526 seems to cause the terminal program to crash sometimes. I would like to be able to turn the printer on after I am already on line but haven't figured out how to do it. If you have any information that can help me leave me a message on Forum-80 Thanks, Mark Gramcko

THE COMMODORE SHOW
by Ken Cote

The West Coast Commodore Association,Inc. is presenting THE COMMODORE SHOW February 9 and 10 at the Cathedral Hill Convention Center in San Francisco. Phone 800-227-4730 for Hotel Reservations. Registration is $10.00 in advance or $12.50 walk-in for two days and $7.50 for one day. If purchased through a Group such as JUG tickets for two days (in advance) is $7.50. Commodore will be there with all the goodies that they showed at CES. There will be 100 booths and displays.

COMPUTER FAIRE

The Ruch Community Library will be sponsoring a Computer Faire, Sunday Feb 3, From 1-5 pm. On hand will be many different microcomputers, along with their owners to explain what uses they put their computers to. Word-processing, data bases, spreadsheets, computer graphics, and telecommunications are all areas that will be covered. SEE YOU THERE! For further information contact Ruch Community Library 899-7438

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8" & 5" Disk Drive REPAIR

GONE BUT NOT FORGOTEN!

by David J. Stuart

It seems only right to start out the new year by contributing something to what one hopes is a worthy cause! I hope those of you who might read this are ready to hear from a USER of non-standard equipment.

I bought my T/S 1000 when TIMEX first found it's way into the Northwest Market - and then only after lengthy consideration. I researched what I wanted out of a computer and my initial choices (still valid ones) were OSBORNE and KAYPRO, but in those days, I was in the same boat as were most of you: I didn't have $2000 or more to invest in a computer. Had there been professional justification...but there was none.

The Timex was selling in those days for just under $100 if you were in the right place at the right time. It's nearest competitor was TANDY's TRS Model 1.

After some research into the tow machines, I found the TRS to come with 8K of RAM and a proprietary BASIC that looked something like MSB, but was not. Although I'd learned my BASIC on Harris and IMSAI equipment, I found myself groping on the TRS80. There were other shortcomings. For one, it was packaged in a manner deceptive to me. I thought of it as putting a pair of shoes in a freight car instead of a shoe box. It sold for about $400.

The TIMEX, initially, was also a put-off. It was built like a toy-much like the ubiquitous watches for which TIMEX had become famous. But what it did on the screen - and the ease with which it was accomplished - I found impressive. It only came with 2K internal RAM, but at a quarter the price of the TRS80 Model 1. I figured they were really selling RAM back then - at about $50 per K - and throwing in everything else on the base unit as a dividend!

Such were the circumstances that led me into the most amateur level of home computing! I do not intentionally malign the TRS80, since the ranks of those who own and love them seem endless. I just point up what initially led me to choose a Timex. It certainly doesn't make it right for anyone other than myself. So much for justification.

I went on to buy a 16K RAM which I cleverly expanded to 64K. That gave me 48K available. Then I invested in the printer and things really got to moving. Soon I had mastered the peculiar machine code of the thing and wrote my own assembler. Although it is only an 8-bit procmessor, the Z80 chip is still the fastest thing in it's class. This is probably attributable to the LDIR and LDDR instructions as much as anything else in its' expanded repertoire of commands.

When TIMEX introduced the 2000 Series, I had no patience. I avidly and with prejudice read all the literature I could find on them and in the end, I plunged. I was astounded by the features that had been added to what was little more than a sophistication of the 1000! The Z80 BASIC Compiler has been expanded to 16K, but it is banked from a Sinclair proprietary chip and allows the USER a full 64K. This is exemplified by the fact that the 2050 MODEM and accompanying software turn it into a full-blown Smart terminal complete dialect (so long as it is ascii-oriented!). But more about tele-communication with the T/S 2000 at a later time.

When TIMEX (the blackguards!) closed shop and left all us loyal USERs out in the cold, I became momentarily hysterical, but then other firms began risking all in an effort to support the existing market. At the time, all I had was the base unit (the 2000: I'd retired the 1000 to the storage where one day I'll unwrap it for the kids!), but soon, I acquired both parallel and serial cables, an Epson printer and an Ollivetti Ink-jet, and at last a MODEM. There is presently available, for just over $400, a four-drive interface that is guaranteed to support four (count 'em 940) 800K dd/qd drives for a complete formatted 2.4 megabyte of external storage. This is already available! A whole new line of disk-oriented software is also being developed and CP/M is also currently available in a 2.2 (60K) Version.

In coming articles, I would like to discuss in more detail some of the outstanding features I've brought out here and also make known some of the idealistic qualities of the the $500 Sinclair Quantum Leap or QL 32, as the 32-bit .5 meg machine is known.

Although my purpose is obviously to generate interest in these two units, if nothing else, I might tqake some small pleasure in informing the reading public as to what they are or will be missing...!

THE SILICON CHIP

Continued from Page 6

Tandy responded that *the counter-claim, and each part thereof, fails to state a claim upon which relief can be granted.* While the court upheld the counterclaim, it noted that *it appears that (the) defendants were never awarded a contract with which the plaintiff (Tandy) interfered.*

According to Norman Grine, a senior buyer in the Texas A&M purchasing department who was on the committee that disallowed the bid by Spain's, Spain's violated a technical point of the bidding procedure by altering its original bid in submitting the rebid.

He said that *it was thought (by the university) that the requirements for training technicians and operators were included (in the original) bid at no charge. The original bid*, he said, *did not specify the cost of these items.*

Texas A&M then put out a supplementary bid for training to the original bidders that required no change in price on the original bids. *Spain's took off money* from its original bid, *thus altering the original bid*, Grine said. The bid was then disallowed, he said.

According to Grine, the university's legal counsel at the time - James Bond, who is now in private practice - concurred with the committee's decision to disallow the bid by Spain's. Bond was unavailable for comment.

Another counterclaim submitted by Spain's charged Tandy with *wrongful interference...(with) Spain's business relationship with the University of Alabama at Birmingham.* It alleges that Tandy conspired to *preclude Spain's from further sales of said equipment to UAB.*

It also charges that Tandy's officers or directors advised the UAB purchasing agent that Tandy was in the process of terminating the franchise agreement with Spain's due to unsatisfactory performance, and that such action was taken intentionally and willfully to harm the dealer's business.

Gene Jackson of UAB's purchasing department refused to comment due to the fact that the case is still in litigation. On May 21, 1984 Radio Shack franchise international vice president Jerry Colella informed Spain's that Tandy would exercise its rights of termination to the terms and conditions of the franchise agreement, saying that the dealer had failed, in was the lowest, was wrongfully disallowed.

Spain's further charged that Tandy and certain Texas based Tandy dealers conspired to monopolize their market area, thereby restricting or rendering impossible competition by Spain's in that area. In response to the dealer's counterclaim, Tandy said it *denies all material allegations of the first counterclaim.*

The court also upheld the dealer's counterclaim that charged Tandy with *tortuous interference with the contractual relationship between Texas A&M and Spain's* and called for payment of $10 million in damages.

any meaningful way, to serve its market area.

Both sides are still in the process of securing documents relevant to the case, and no trial date has been set.

And that's it for this month folks. For more news and industry trends tune in next time and see what the Silicon Chip holds! Bob

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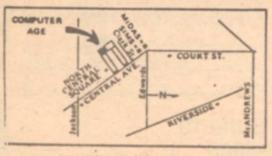

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